



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3913-041**  
**Job Sheet 199418**



Part No: D3913-041

Job Qty: 1 pcs

Part Name: Long Basket Base Assembly, 350



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/22/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 9/12/19

Description:

Note: DWG D4020 REV A SHEET 4, D3913 REV D SHEETS 1,2,3,4,5 IPP Rev:A new issue DD 10.03.19 verified by:EC IPP Rev:B chg qty's DD 10.04.12 verified by:EC IPP REV:C 12.07.24 AS PER DWG REV.B DD VERF:EC IPP REV:D 13.08.21 DWG REV.C / ECN 13-624 DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation              | Qty      | Start Date | Due Date | Standard  |         | Workcenter/Supplier      |           | Sign-off    |
|-------|------------------------|----------|------------|----------|-----------|---------|--------------------------|-----------|-------------|
|       |                        |          |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier    | Lead Time |             |
| 100   | Large Fab - Basket - 1 | 1<br>pcs | 9/12/19    |          | 0.00      | 19.61   | Large Fab - 1            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 10           |           |             |
|       |                        |          |            |          |           |         | Large Fab - 2            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 3            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 4            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 5            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 6            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 7            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 8            |           | CC          |
|       |                        |          |            |          |           |         | Large Fab - 9            |           |             |
|       |                        |          |            |          |           |         | Large Fab - 11 (Various) |           |             |
| 110   | QC 9                   | 1<br>pcs | 9/12/19    |          | 0.00      | 0.00    | QC 9 - 10                |           |             |
|       |                        |          |            |          |           |         | QC 9 - 18                | DAS       |             |
|       |                        |          |            |          |           |         | QC 9 - 24                | 24        |             |
|       |                        |          |            |          |           |         | QC 9 - 43                | 9-89      | SEP 12 2019 |
|       |                        |          |            |          |           |         | QC 9 - 50                |           |             |
| 120   | QC 5                   | 1<br>pcs | 9/12/19    |          | 0.00      | 0.00    | QC 9 - 9                 |           |             |
|       |                        |          |            |          |           |         | QC 5 - 10                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 12                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 17                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 18                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 19                | DAS       |             |
|       |                        |          |            |          |           |         | QC 5 - 22                | 24        |             |
|       |                        |          |            |          |           |         | QC 5 - 24                | 9-89      | SEP 12 2019 |
|       |                        |          |            |          |           |         | QC 5 - 3                 |           |             |
|       |                        |          |            |          |           |         | QC 5 - 43                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 49                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 51                |           |             |
|       |                        |          |            |          |           |         | QC 5 - 58                |           |             |



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Container No: S213228



Part: D3913-041

Job No: 199418

Serial No/Batch: S213228

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 09/12/19

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|                                        |          |         |      |      |  |                              |            |
|----------------------------------------|----------|---------|------|------|--|------------------------------|------------|
|                                        |          |         |      |      |  | QC 5 - 68                    |            |
|                                        |          |         |      |      |  | QC 5 - 9                     |            |
|                                        |          |         |      |      |  | QC 5 - 50                    |            |
|                                        |          |         |      |      |  | QC 5 - 30                    |            |
|                                        |          |         |      |      |  | QC 5 - 40                    |            |
|                                        |          |         |      |      |  | QC 5 - 61                    |            |
|                                        |          |         |      |      |  | QC 5 - 81                    |            |
| 125 Handfinish - 2-1 Pressure-<br>B4B  | 1<br>pcs | 9/12/19 | 0.00 | 0.29 |  | Handfinish - 2 - 1 -<br>B4B  |            |
|                                        |          |         |      |      |  | Handfinish - 2 - 2 -<br>B4B  |            |
|                                        |          |         |      |      |  | Handfinish - 2 - 3 -<br>B4B  | BK 19-9-16 |
|                                        |          |         |      |      |  | Handfinish - 2 - 4 -<br>B4B  |            |
| 130 Powdercoat - 2 White Gl(S)-<br>B4B | 1<br>pcs | 9/12/19 | 0.00 | 0.93 |  | Powdercoat - 1 - B4B         |            |
|                                        |          |         |      |      |  | Powdercoat - 2 - B4B         |            |
|                                        |          |         |      |      |  | Powdercoat - 3 - B4B         | BK 19-9-16 |
|                                        |          |         |      |      |  | Powdercoat - 4 - B4B         |            |
| 140 QC 3                               | 1<br>pcs | 9/12/19 | 0.00 | 0.00 |  | QC 3 - 10                    |            |
|                                        |          |         |      |      |  | QC 3 - 13                    |            |
|                                        |          |         |      |      |  | QC 3 - 15                    | HD 19-9-17 |
|                                        |          |         |      |      |  | QC 3 - 17                    |            |
|                                        |          |         |      |      |  | QC 3 - 18                    |            |
|                                        |          |         |      |      |  | QC 3 - 2                     |            |
|                                        |          |         |      |      |  | QC 3 - 28                    |            |
|                                        |          |         |      |      |  | QC 3 - 3                     |            |
|                                        |          |         |      |      |  | QC 3 - 30                    |            |
|                                        |          |         |      |      |  | QC 3 - 34                    |            |
|                                        |          |         |      |      |  | QC 3 - 36                    |            |
|                                        |          |         |      |      |  | QC 3 - 41                    |            |
|                                        |          |         |      |      |  | QC 3 - 51                    |            |
|                                        |          |         |      |      |  | QC 3 - 58                    |            |
|                                        |          |         |      |      |  | QC 3 - 59                    |            |
|                                        |          |         |      |      |  | QC 3 - 68                    |            |
|                                        |          |         |      |      |  | QC 3 - 9                     |            |
|                                        |          |         |      |      |  | QC 3 - 40                    |            |
|                                        |          |         |      |      |  | QC 3 - 19                    |            |
|                                        |          |         |      |      |  | QC 3 - 43                    |            |
|                                        |          |         |      |      |  | QC 3 - 24                    |            |
|                                        |          |         |      |      |  | QC 3 - 61                    |            |
|                                        |          |         |      |      |  | QC 3 - 81                    |            |
| 150 Handfinish - 4-1-Assembly-<br>B4B  | 1<br>pcs | 9/12/19 | 0.00 | 0.50 |  | Handfinish - 4 - 1 -<br>B4B  | HD 19-9-17 |
|                                        |          |         |      |      |  | Handfinish - 4 - 10 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 11 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 12 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 13 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 14 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 15 -<br>B4B |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 2 -<br>B4B  |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 3 -<br>B4B  |            |
|                                        |          |         |      |      |  | Handfinish - 4 - 4 -<br>B4B  |            |

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|                                 |          |         |      |      |                          |             |
|---------------------------------|----------|---------|------|------|--------------------------|-------------|
| 160 QC 5                        | 1<br>pcs | 9/12/19 | 0.00 | 0.00 | Handfinish - 4 - 5 - B4B |             |
|                                 |          |         |      |      | Handfinish - 4 - 6 - B4B |             |
|                                 |          |         |      |      | Handfinish - 4 - 7 - B4B |             |
|                                 |          |         |      |      | Handfinish - 4 - 8 - B4B |             |
|                                 |          |         |      |      | Handfinish - 4 - 9 - B4B |             |
|                                 |          |         |      |      | QC 5 - 10                |             |
|                                 |          |         |      |      | QC 5 - 12                |             |
|                                 |          |         |      |      | QC 5 - 17                |             |
|                                 |          |         |      |      | QC 5 - 18                |             |
|                                 |          |         |      |      | QC 5 - 19                |             |
|                                 |          |         |      |      | QC 5 - 22                |             |
|                                 |          |         |      |      | QC 5 - 24                |             |
|                                 |          |         |      |      | QC 5 - 3                 |             |
|                                 |          |         |      |      | QC 5 - 43                |             |
|                                 |          |         |      |      | QC 5 - 49                |             |
|                                 |          |         |      |      | QC 5 - 51                |             |
|                                 |          |         |      |      | QC 5 - 58                |             |
|                                 |          |         |      |      | QC 5 - 68                |             |
|                                 |          |         |      |      | QC 5 - 9                 |             |
|                                 |          |         |      |      | QC 5 - 50                |             |
|                                 |          |         |      |      | QC 5 - 30                |             |
| 170 Packaging 3-1 - Stock - B4B | 1<br>pcs | 9/12/19 | 0.00 | 0.00 | QC 5 - 40                | SEP 17 2019 |
|                                 |          |         |      |      | QC 5 - 61                |             |
|                                 |          |         |      |      | QC 5 - 81                |             |
|                                 |          |         |      |      | Packaging 3 - 1 - B4B    | M 19-9-12   |
|                                 |          |         |      |      | Packaging 3 - 2 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 3 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 4 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 5 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 6 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 7 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 8 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 9 - B4B    |             |
|                                 |          |         |      |      | Packaging 3 - 10 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 11 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 12 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 13 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 14 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 15 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 16 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 17 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 18 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 19 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 20 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 21 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 22 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 23 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 24 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 25 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 26 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 27 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 28 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 29 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 30 - B4B   |             |
|                                 |          |         |      |      | Packaging 3 - 31 - B4B   |             |

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SEP 17 2019

M 19-9-12

|                |     |         |      |      |                        |      |
|----------------|-----|---------|------|------|------------------------|------|
|                |     |         |      |      | Packaging 3 - 32 - B4B |      |
|                |     |         |      |      | Packaging 3 - 33 - B4B |      |
|                |     |         |      |      | Packaging 3 - 34 - B4B |      |
|                |     |         |      |      | Packaging 3 - 35 - B4B |      |
|                |     |         |      |      | Packaging 3 - 36 - B4B |      |
| 180 QC 21 - SA | 1   | 9/12/19 | 0.00 | 0.00 | QC 21 - SA - 21        | DAS  |
|                | pcs |         |      |      | QC 21 - SA - 70        | 21   |
|                |     |         |      |      | QC 21 - SA - 53        | 9-89 |

SEP 17 2019

Part Op 100 - Weld per dwg A/R S.S. rod Batch: \_\_\_\_\_ 1- assemble ribs , weld as per dwg D3913 using DT9610A \*\*\*inspect  
 Descriptions: before welding mesh\*\*\* 2-Cut D4020-1 base mesh and tack weld all mesh on basket as per dwg D3913 and trim mesh to  
 fit if necessary and trim to clear fasteners holes on the ends 3- weld hinge (3) and Mounting brackets as per dwg D3913  
 \*\*\*take lid to locate hinge and bracket\*\*\* 4- Weld D4672-1 blanking plates as per dwg  
 110 - QC9- Inspect visual per QSI004- Fusion Welds  
 120 - QC5- Inspect part completeness to step on W/O  
 125 - Pressure Wash per QSI005 4.3/ Clean and remove all markings  
 130 - White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel) 1- Plug holes and mask only interior of hinge (3) prior to powder  
 coat  
 140 - QC3- Inspect Part Finish  
 150 - Assemble as per dwg - Pick Kit  
 160 - QC5- Inspect part completeness to step on W/O  
 170 - Identify as per dwg & Stock Location: \_\_\_\_\_  
 180 - QC21- Final Inspection - Work Order Release

## Job BOM

011943

| Part / Item    | Component Name         | Quantity      | Operation                         | Container         |
|----------------|------------------------|---------------|-----------------------------------|-------------------|
| D2581          | Mounting Bracket       | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5200407           |
| D3913-1        | Rib                    | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5190938           |
| D3913-15       | Wide Handle Plate      | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5184576           |
| D3913-3        | Rib                    | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5209250           |
| D3913-7        | Rib                    | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5197553           |
| D3913-9        | Hinge Rib              | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5190892           |
| D3916-041      | Rib Assembly           | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5210886           |
| D3916-5        | Light Rib              | 3 pcs (3 ea)  | 100-Large Fab - Basket - 1        | 5209960           |
| D4016-1        | Hinge Half, Base       | 3 pcs (3 ea)  | 100-Large Fab - Basket - 1        | 5188922           |
| D4017-7        | Rib                    | 3 pcs (3 ea)  | 100-Large Fab - Basket - 1        | 5183658           |
| D4017-9        | Rib                    | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5197557 / 5240901 |
| D4020-11       | End Mesh, Basket       | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5205482           |
| D4021-1        | Handle Plate           | 3 pcs (3 ea)  | 100-Large Fab - Basket - 1        | 5192406           |
| D4034-041      | Aft Upper Rib Assembly | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5204825           |
| D4034-043      | Fwd Upper Rib Assembly | 1 pcs (1 ea)  | 100-Large Fab - Basket - 1        | 5197525           |
| D4672-1        | Blanking Plate         | 2 pcs (2 ea)  | 100-Large Fab - Basket - 1        | 5211019           |
| M304EX0.75-16F | Expanded Metal Flat SS | 32 sf (32 ea) | 100-Large Fab - Basket - 1        | 5206462           |
| AN3-10A        | BOLT                   | 6 Ea (6 ea)   | 150-Handfinish - 4-1-Assembly-B4B | 5149264-3         |
| D2931          | Bumper                 | 2 pcs (2 ea)  | 150-Handfinish - 4-1-Assembly-B4B | F8643-3           |
| MS20600-AD4W3  | Cherry Rivet           | 2 Ea (2 ea)   | 150-Handfinish - 4-1-Assembly-B4B | 5202551           |
| MS21042L3      | Nut                    | 6 Ea (6 ea)   | 150-Handfinish - 4-1-Assembly-B4B | 5204283-2         |
| NAS1149F0332P  | Washer (AN960-10L)     | 12 Ea (12 ea) | 150-Handfinish - 4-1-Assembly-B4B | 5155976           |
| D4021-5        | Blanking Plate         | 2 pcs (2 ea)  | 150-Handfinish - 4-1-Assembly-B4B | 5188489           |
| NAS1149FN832P  | Washer (AN960-8 )      | 2 Ea (2 ea)   | 150-Handfinish - 4-1-Assembly-B4B | 5136360           |

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| Job Allocations                    |                |          |           |           |
|------------------------------------|----------------|----------|-----------|-----------|
| Operation                          | Component Part | Required | Inventory | Allocated |
| 100-Large Fab - Basket - 1         | D2581          | 2        | 46        | 0         |
|                                    | D3913-1        | 1        | 4         | 0         |
|                                    | D3913-15       | 1        | 18        | 0         |
|                                    | D3913-3        | 1        | 4         | 0         |
|                                    | D3913-7        | 2        | 10        | 0         |
|                                    | D3913-9        | 1        | 7         | 0         |
|                                    | D3916-041      | 2        | 4         | 0         |
|                                    | D3916-5        | 3        | 12        | 0         |
|                                    | D4016-1        | 3        | 22        | 0         |
|                                    | D4017-7        | 3        | 34        | 0         |
|                                    | D4017-9        | 2        | 10        | 0         |
|                                    | D4020-11       | 2        | 10        | 0         |
|                                    | D4021-1        | 3        | 22        | 0         |
|                                    | D4034-041      | 1        | 5         | 0         |
|                                    | D4034-043      | 1        | 6         | 0         |
|                                    | D4672-1        | 2        | 3         | 0         |
|                                    | M304EX0.75-16F | 32       | 1,163     | 0         |
| 150-Handfinish - 4-1-Assembly-B4B  | AN3-10A        | 6        | 190       | 0         |
|                                    | D2931          | 2        | 679       | 0         |
|                                    | D4021-5        | 2        | 26        | 0         |
|                                    | MS20600-AD4W3  | 2        | 696       | 0         |
|                                    | MS21042L3      | 6        | 1,755     | 0         |
|                                    | NAS1149F0332P  | 12       | 2,910     | 0         |
|                                    | NAS1149FN832P  | 2        | 2,883     | 0         |
| Part Specifications                |                |          |           |           |
| Specifications could not be found. |                |          |           |           |

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------|--------------------------|---------------|--------------------------|-----------------------|--------------------------|----------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|---------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--------------------------|---------------|--------------------------|------------------|--------------------------|------------------|--------------------------|---------|--------------------------|-----------------------|--------------------------|---------------|--------------------------|-------------------|--------------------------|----------|--------------------------|-----------|--------------------------|-----------------|--------------------------|---------|--------------------------|--------|--------------------------|----------------------|--------------------------|------|--------------------------|--------|--------------------------|------------------------------|--------------------------|---------------------------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|---------------|--------------------------|-------------|--------------------------|-----------------|--------------------------|---------|--------------------------|------------|--------------------------|--------------|--------------------------|----------------|--------------------------|--|--|
| <b>Job:</b> _____<br><b>Part No.</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          | <b>DISPOSITION</b><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> |                          | <b>DEPARTMENT/PROCESS</b><br>Skid-tube <input type="checkbox"/> Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/> Engineering <input type="checkbox"/><br>Machining <input type="checkbox"/> Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Water Jet <input type="checkbox"/><br>Large Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> |                          | <b>MRB (QSI042)</b>   |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Date :</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          | <b>Sequence #:</b> _____                                                                                                      |                          | <b>QTY Affected :</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | <b>Disposition</b>    |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                                                                                                                               |                          | <b>Completed By</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Root Cause</b><br><table border="1"> <tr> <td>Operator</td><td><input type="checkbox"/></td> </tr> <tr> <td>Manufacturing Process</td><td><input type="checkbox"/></td> </tr> <tr> <td>Equip/Tooling</td><td><input type="checkbox"/></td> </tr> <tr> <td>Handling/Preservation</td><td><input type="checkbox"/></td> </tr> <tr> <td>Material</td><td><input type="checkbox"/></td> </tr> <tr> <td>Product Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Process Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Human Factors</td><td><input type="checkbox"/></td> </tr> </table> |                          |                                                                                                                               |                          | Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | Manufacturing Process | <input type="checkbox"/> | Equip/Tooling | <input type="checkbox"/> | Handling/Preservation | <input type="checkbox"/> | Material | <input type="checkbox"/> | Product Improvement | <input type="checkbox"/> | Process Improvement | <input type="checkbox"/> | Human Factors | <input type="checkbox"/> | <b>FAULT CATEGORY</b><br><table border="1"> <tr> <td>Pressure/Forced</td><td><input type="checkbox"/></td> <td>Contamination</td><td><input type="checkbox"/></td> <td>Power Loss/Surge</td><td><input type="checkbox"/></td> <td>Positioned Wrong</td><td><input type="checkbox"/></td> </tr> <tr> <td>Bending</td><td><input type="checkbox"/></td> <td>Misaligned/off center</td><td><input type="checkbox"/></td> <td>Folio/Program</td><td><input type="checkbox"/></td> <td>Outside Tolerance</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crushing</td><td><input type="checkbox"/></td> <td>BOM/Route</td><td><input type="checkbox"/></td> <td>Grain Direction</td><td><input type="checkbox"/></td> <td>Drawing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Cracks</td><td><input type="checkbox"/></td> <td>Broken/Damage/Defect</td><td><input type="checkbox"/></td> <td>Weld</td><td><input type="checkbox"/></td> <td>Finish</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td><td><input type="checkbox"/></td> <td>Incomplete/Unclear Instructions</td><td><input type="checkbox"/></td> <td>Wrong Stock Pulled</td><td><input type="checkbox"/></td> <td>Part Lost/Missing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Marks/Chatter</td><td><input type="checkbox"/></td> <td>Drill Holes</td><td><input type="checkbox"/></td> <td>Out of Sequence</td><td><input type="checkbox"/></td> <td>Misread</td><td><input type="checkbox"/></td> </tr> <tr> <td>Mislabeled</td><td><input type="checkbox"/></td> <td>Fit/Function</td><td><input type="checkbox"/></td> <td>Off-set/Set-up</td><td><input type="checkbox"/></td> <td></td><td></td> </tr> </table> |  |  |  | Pressure/Forced | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | Bending | <input type="checkbox"/> | Misaligned/off center | <input type="checkbox"/> | Folio/Program | <input type="checkbox"/> | Outside Tolerance | <input type="checkbox"/> | Crushing | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Grain Direction | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damage/Defect | <input type="checkbox"/> | Weld | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave/Twist | <input type="checkbox"/> | Incomplete/Unclear Instructions | <input type="checkbox"/> | Wrong Stock Pulled | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Marks/Chatter | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Out of Sequence | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Fit/Function | <input type="checkbox"/> | Off-set/Set-up | <input type="checkbox"/> |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                               |                          | Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                                               |                          | Manufacturing Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Equip/Tooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Handling/Preservation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Product Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Process Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Human Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Contamination                                                                                                                 | <input type="checkbox"/> | Power Loss/Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> | Positioned Wrong      | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Bending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | Misaligned/off center                                                                                                         | <input type="checkbox"/> | Folio/Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | Outside Tolerance     | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Crushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | BOM/Route                                                                                                                     | <input type="checkbox"/> | Grain Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Drawing               | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Cracks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Broken/Damage/Defect                                                                                                          | <input type="checkbox"/> | Weld                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Finish                | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Crimp/Kink/Ripple/Wave/Twist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | Incomplete/Unclear Instructions                                                                                               | <input type="checkbox"/> | Wrong Stock Pulled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | Part Lost/Missing     | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | Drill Holes                                                                                                                   | <input type="checkbox"/> | Out of Sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Misread               | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Mislabeled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Fit/Function                                                                                                                  | <input type="checkbox"/> | Off-set/Set-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Lead hand / Supervisor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |                                                                                                                               |                          | <b>QC / QA Coordinator</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Other/Details:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                       |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |